

WHAT IS CLAIMED IS:

1. A solid phase dispersion comprising a quinolone- or naphthyridonecarboxylic acid in an insoluble matrix.
2. The dispersion according to Claim 1, wherein the insoluble matrix is selected from the group consisting of shellac, high molecular weight polyethylene glycol polyvinyl alcohol, poly(D.L.-lactic co glycolic and sugars.
3. The dispersion according to Claim 2, wherein the insoluble matrix is shellac.
- 10 4. The dispersion of Claim 1, wherein quinolone- or naphthyridonecarboxylic acid and the insoluble matrix are in a ratio of 1:0.5 to 10.
- 15 5. The dispersion of Claim 4, wherein quinolone- or naphthyridonecarboxylic acid and the insoluble matrix are in a ratio of 1:5.
- 16 6. A method of preparing a solid dispersion of a quinolone- or naphthyridonecarboxylic acid, comprising forming a hydrate of the quinolone- or naphthyridonecarboxylic acid, mixing quinolone- or naphthyridonecarboxylic acid with an insoluble matrix, heating the mixture until it flows, and micronizing the mixture.
- 20 7. A feed formulation comprising feedstuff and the solid phase dispersion of Claim 1.
- 21 8. A process for improving animal uptake of quinolone- or naphthyridonecarboxylic acid comprising orally administering to the animal a solid phase dispersion of a quinolone- or naphthyridonecarboxylic acid and an insoluble matrix in an effective amount to mask the taste of the active.

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